

SEALAND RESTORATION, INC. NEW YORK

EPA ID# NYD980535181



EPA REGION 2
CONGRESSIONAL DIST. 24
St. Lawrence County
Lisbon

Site Description

The Sealand Restoration, Inc. site, located in the Village of Lisbon, covers 210 acres. The site, formerly a dairy farm, was acquired by Sealand Restoration in 1977, and was operated as a waste disposal facility. Petroleum wastes were landfilled in a disposal cell near the southern site boundary or spread on the ground surface in the central and northern parts of the site. Three areas are being addressed—a land spread area, an empty drum storage area, and a disposal cell located 100 yards from a wetland.

Approximately 1,000 people reside within 3 miles of the site.

Site Responsibility: This site is being addressed through federal, state, and potentially responsible parties' actions.

NPL LISTING HISTORY

Proposed Date: 10/26/89

Final Date: 08/30/90

Threats and Contaminants



On-site ground water is contaminated with heavy metals and volatile organic compounds (VOCs), including benzene, trichloroethene, 1,1,1-trichloroethane, toluene, and acetone. Surface water was found to be contaminated with aluminum, iron, lead, manganese, and zinc. Low levels of polychlorinated biphenyls (PCBs), pesticides, phenols, and heavy metals were found in soils in the land spread area. Direct contact with or ingestion of on-site contaminated ground water may pose a health threat.

Cleanup Approach



The site is being addressed in two phases: interim source control measures and long-term remedial measures.

Response Action Status



Interim Source Control: Surficial wastes were removed from the cell disposal area in 1984 and from the drum storage area in 1986 and 1987 by the County of St. Lawrence using funds appropriated by the New York State Legislature. From 1989 to 1990, the New York State Department of Environmental Conservation removed contaminated soils, buried drums, and wastewater from the cell disposal area.



Entire Site: A remedial investigation and feasibility study to determine the nature and extent of on-site ground water, surface water, and sediment contamination and to evaluate remedial alternatives, as necessary, was completed in August 1995. A Record of Decision was signed in September 1995, calling for a ground water cleanup to be undertaken downgradient of the former cell disposal area.

Five-year reviews ensure that remedies remain protective of public health and the environment and function as designed. In August 1998, EPA issued a Five-Year Review Report, which concluded that interim source control remedy at the site is protective of human health and the environment and the final remedies, when completed, will render the site fully protective of human health and the environment. EPA will conduct another five-year review on or before August 2003.

The design of the selected remedy commenced in October 1997. Since testing indicated that the selected ground water extraction system called for in the ROD would not be an effective means of remediating the contaminant plume, EPA issued an Explanation of Significant Differences in October 2001 to modify the remedy. Instead, in-place treatment, combined with natural attenuation, will be used to restore the groundwater to federal and state standards. It is anticipated that the design of the in-place treatment system will be completed in the Spring of 2002 and construction would follow.

Site Facts: In 1993, because contaminants found in on-site soil or ground water samples were also found in nearby residential well samples, as a precautionary measure to ensure that nearby residents would not be exposed to site-related contaminants, EPA issued a Unilateral Administrative Order to the potentially responsible parties (PRPs), requiring that they supply bottled water for drinking and cooking. Subsequent analytical results of residential well samples collected by EPA and the New York State Department of Health (NYSDOH), however, indicated that contaminated ground water at the site had not migrated to and was not impacting residential wells. In addition, it was determined that the levels of contamination in the private wells had decreased significantly. Consequently, EPA notified the PRPs that continued distribution of bottled water was no longer required; delivery of bottled water was terminated in 1995. Following the discontinuation of the bottled water delivery, NYSDOH collected and analyzed drinking water samples from private wells in the area (in 1996 and 1997); no contaminants were detected in any of these samples.

Negotiations with the PRPs related to the design and implementation of the selected ground water remedy were completed in September of 1997 and a settlement was reached. The PRPs are currently designing the ground water remedy for the site.

Cleanup Progress (Soil Remediation Completion; Ground Water Remediation Design Underway)

By removing 1,445 drums, 6,435 tons of contaminated soil, and 375,000 gallons of liquid from the disposal cell area, and backfilling the disposal cell with clean soil was and covering it with a multilayered cap, the possibility of being directly exposed to hazardous materials at the site has been greatly reduced.

Site Repositories



Lisbon Town Hall, Lisbon, NY 13658

EPA Region II Superfund Records Center, 290 Broadway, 18th Floor, New York, NY 10007-1866